

## Qualification Results Summary for Addition of a Polyimide Layer to the ADuM3190 Device

| QUALIFICATION RESULTS / STATUS                                       |                            |                            |                           |
|--|----------------------------|----------------------------|---------------------------|
| TEST   | SPECIFICATION              | SAMPLE SIZE                | RESULTS                   |
| High Temperature Operating Life (HTOL)*                              | JEDEC <i>JESD22-A108</i>   | <b>7x77</b><br><b>2x45</b> | <b>Pass</b>               |
| Highly Accelerated Stress Test (HAST)*                               | JEDEC <i>JESD22-A110</i>   | <b>9x77</b>                | <b>Pass</b>               |
| Temperature Cycle (TC)*  | JEDEC <i>JESD22-A104</i>   | <b>9x77</b>                | <b>Pass</b>               |
| Autoclave (AC)*  | JEDEC <i>JESD22-A102</i>   | <b>6x77</b><br><b>3x45</b> | <b>Pass</b>               |
| High Temperature Storage Life (HTSL)                                 | JEDEC <i>JESD22-A103</i>   | <b>4x77</b><br><b>1x45</b> | <b>Pass</b>               |
| Solder Heat Resistance (SHR)*  | JEDEC/IPC <i>J-STD-020</i> | <b>3x10</b>                | <b>Pass</b>               |
| Latch-Up   | JEDEC <i>JESD78</i>        | <b>1x9</b>                 | <b>Pass</b> ±200mA @ +30V |
| Electrostatic Discharge<br><i>Human Body Model</i>                   | ESDA/JEDEC <i>JS-001</i>   | <b>1x18</b>                | <b>Pass</b> ±4000V        |
| Electrostatic Discharge<br><i>Field-Induced Charged Device Model</i> | JEDEC <i>JESD22-C101</i>   | <b>1x18</b>                | <b>Pass</b> ±1250V        |

\*Preconditioned per JEDEC/IPC J-STD-020